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April 4, 2001

Box Missing Parts
Assistant Commissioner for Patents
Washington, DC 20231

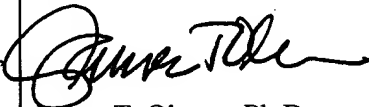
Re: U.S. Patent Application Serial No.: 09/688,076
Entitled: *Regulators of the Hedgehog Pathway, Compositions and Uses Related Thereto*
By: Philip A. Beachy; Filed: October 13, 2000
Attorney Docket No.: JHV-016.01

Dear Sir:

Enclosed for filing in the above-referenced patent application please find the following:

1. Copy of Notice to File Missing Parts of Non-Provisional Application;
2. Response to Notice to File Missing Parts;
3. Petition for Two-Month Extension of Time;
4. Executed Declaration for Patent Application;
5. Correction of Filing Receipt; and
6. Return receipt postcard.

The Commissioner is hereby authorized to charge any under-payments or credit any over-payments to our Deposit Account No. 06-1448.

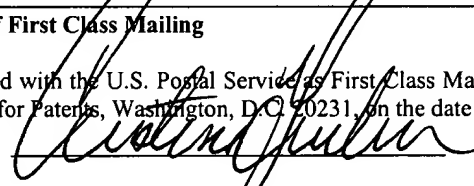
Certificate of First Class Mailing	
<p>I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Box Missing Parts, Assistant Commissioner for Patents, Washington, DC 20231 on the date set forth below:</p> <p><u>April 4, 2000</u> Date</p>	<p>Respectfully submitted, FOLEY, HOAG & ELIOT LLP</p> <p> James T. Olesen, Ph.D. Reg. No. 46,967 Agent for Applicants Customer ID No. 25181</p>



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Philip A. Beachy	Examiner: None assigned
Serial No.: 09/688,076	Group Art Unit: None assigned
Filed: October 13, 2000	
For: <i>Regulators of the Hedgehog Pathway, Compositions and Uses Related Thereto</i>	Attorney Docket No.: JHV-016.01

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Assistant Commissioner for Patents
Washington, D.C. 20231

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<u>April 4, 2001</u>	By: 
Date of Signature and Mail Deposit	

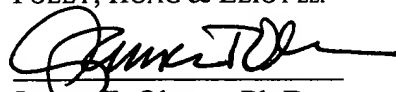
RESPONSE TO NOTICE TO FILE MISSING PARTS

Dear Sir:

Enclosed herewith is the Applicant's response to the Notice to File Missing Parts dated December 4, 2000, including an executed Declaration. The Applicant hereby authorizes that the entire amount of \$5,224 due for the filing fee and surcharge under 37 C.F.R. § 1.16(e) be charged to our Deposit Account No. 06-1448. The time for responding to this action has been extended on the accompanying Petition for a Two-Month Extension of Time and authorization of fee.

If there is any further fee due in connection with this filing, or if any refund is owed, please charge/credit our Deposit Account No. 06-1448.

Respectfully submitted,
FOLEY, HOAG & ELIOT LLP



James T. Olesen, Ph.D.
Agent for Applicants
Reg. No. 46,967

Patent Group
FOLEY, HOAG & ELIOT LLP
One Post Office Square
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(617) 832-1000
Date: April 4, 2001



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/688,076	10/13/2000	Philip A. Beachy	JHV-016.01

Patent Group
Foley Hoag & Eliot LLP
One Post Office Square
Boston, MA 02109-2170

FORMALITIES LETTER



OC000000005592262

Date Mailed: 12/04/2000

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

04/10/2001 SMINASS1 00000005 061448 09688076

FILED UNDER 37 CFR 1.53(b)

01 FC:101 710.00 CH
02 FC:103 3474.00 CH
03 FC:102 640.00 CH
04 FC:104 270.00 CH
05 FC:105 130.00 CH

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 710 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).
- Total additional claim fee(s) for this application is \$4384.
 - \$3474 for 193 total claims over 20.
 - \$640 for 8 independent claims over 3.
 - \$270 for multiple dependent claim surcharge.
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 5224.

A copy of this notice MUST be returned with the reply.

Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/688,076	10/13/2000	1615	0	JHV-016.01	9	42	11

FILING RECEIPT



OC000000005592261

Patent Group
Foley Hoag & Eliot LLP
One Post Office Square
Boston, MA 02109-2170

Date Mailed: 12/04/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Philip A. Beachy, Baltimore, MD ;

Continuing Data as Claimed by Applicant

THIS APPLN CLAIMS BENEFIT OF 60/159,215 10/13/1999
~~WHICH~~ CLAIMS BENEFIT OF 60/229,273 08/30/2000
AND

Foreign Applications

If Required, Foreign Filing License Granted 12/01/2000

Title

Regulators of the hedgehog pathway, compositions and uses related thereto

Preliminary Class

424

Data entry by : BRUNSON, MONIQUE

Team : OIPE

Date: 12/04/2000



DEC 06 2000

12/1/00